

1 **Claims**

2 1. A nail stapler including a magazine for storing nails, a jam-proof
3 nozzle and a hammering device capable of hammering leading one
4 of the nails more than once until it hammers the leading nail
5 completely into an object.

6 2. The nail stapler according to claim 1 wherein the hammering device
7 includes a trigger and a hammer that is moved when the trigger is
8 pulled.

9 3. The nail stapler according to claim 2 wherein the magazine includes
10 a space in order to store the nails and a spring-biased pusher in the
11 space so as to push the nails to the nozzle.

12 4. The nail stapler according to claim 3 wherein the jam-proof nozzle
13 prevents jam via allowing only leading one of the nails to the
14 hammer.

15 5. The nail stapler according to claim 4 wherein the jam-proof nozzle
16 allows only the leading nail to the hammer via restraining the other
17 nails from the hammer.

18 6. The nail stapler according to claim 5 wherein the jam-proof nozzle
19 includes a plate including a slot through which the nails can be
20 transferred, a restraint for restraining at least one of the nails other
21 than the leading nail and a security device for controlling both of the
22 restraint and the trigger.

23 7. The nail stapler according to claim 6 wherein the security device
24 includes a V-shaped body for controlling the restraint and an arm
25 raised from the V-shaped body for controlling the trigger.

26 8. The nail stapler according to claim 7 wherein the V-shaped body

1 includes a first prong for controlling the restraint and a second prong
2 from which the arm is raised.

3 9. The nail stapler according to claim 6 wherein the security device is
4 movable in a vertical path relative to the plate while the restraint is
5 movable in an inclined path relative to the plate.

6 10. The nail stapler according to claim 9 wherein the restraint includes
7 two inclined slots through which two fasteners are driven into the
8 plate.

9 11. The nail stapler according to claim 6 wherein the restraint includes a
10 protrusion for pressing at least one of the nails other than the leading
11 nail.

12 12. The nail stapler according to claim 6 including a spring compressed
13 between a portion of the plate and a portion of the restraint.

14 13. The nail stapler according to claim 6 including a spring compressed
15 between a portion of the restraint and a portion of the security
16 device.

17 14. The nail stapler according to claim 6 wherein the plate includes a
18 cavity in a front face thereof for receiving the restraint.

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